Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-109. (Canceled)

110. (New) A method for regulating a conversion rate of a hereditary trait of a yeast cell, the method comprising the steps of:

(a) transforming the cell by transfection with a plasmid vector expressing at least one mutant DNA polymerase involved in gene replication of the cell; and

(b) subjecting the yeast to acclimation culture by gradually increasing culture temperature;

wherein conversion of the yeast cell confers high temperature resistance to the cell, wherein at least two kinds of DNA polymerases playing a role in the gene replication are present, and wherein the at least two kinds of DNA polymerases have heterogeneous error-prone frequencies;

thereby regulating the conversion rate of a hereditary trait.

111. (New) The method according to claim 110, wherein the at least one mutant DNA polymerase comprises at least one polymerase selected from the group consisting of DNA polymerase δ and DNA polymerase ε.

112. (New) The method according to claim 111, wherein the at least one mutant DNA polymerase comprises a DNA polymerase with a higher error-prone frequency than wild-type DNA polymerase.

113. (New) The method according to claim 111, wherein the at least one mutant DNA polymerase comprises a DNA polymerase that provides mismatched bases at a frequency of 10^{-6} or greater.